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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No. 10/702,378

Downs et al.

SPARK PLUG WITH GROUND  
ELECTRODE FIRING TIP

Filed: November 5, 2003

Group Art Unit: n/a

Examiner: n/a

**CERTIFICATE OF MAILING**

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Theresia A. Kay

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. 1.97(b))**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Transmitted herewith for filing with the above-identified application before the mailing of a first Office Action on the merits is an Information Disclosure Statement by Applicant (Form PTO-1449).

Applicants believe that no fee is due; however, the Commissioner is hereby authorized to charge any deficiencies associated with this communication to Deposit Account No. 06-0420.

Respectfully submitted,

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Date: August 20, 2004

JDS/tak

Encl.



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Substitute for form 1449/PTO

**Complete if Known**

Application Number	10/702,378
Filing Date	November 5, 2003
First Named Inventor	Downs et al.
Art Unit	
Examiner Name	

Sheet 1 of 1

Attorney Docket Number FMO P-3745-2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 4,670,684	06/02/1987	Kagawa et al.	
		US- 4,771,210	09/13/1988	Mohle et al.	
		US- 4,743,793	05/10/1988	Toya et al.	
		US- 5,347,193	09/13/1994	Oshima et al.	
		US- 5,493,171	02/20/1996	Wood III, et al.	
		US- 5,510,667	04/23/1996	Loffler et al.	
		US- 5,982,080	11/9/1999	Shibata et al.	
		US- 5,998,913	12/07/1999	Matsutani	
		US- 6,078,129	06/20/2000	Gotou et al.	
		US- 6,337,533	01/08/2002	Hanashi et al.	
		US- 6,346,766	02/12/2002	Kanao et al.	
		US- 6,412,465	07/02/2002	Lykowski et al.	
		US- 2001/0030494	10/18/2001	Kanao	
		US- 2001/0030495	10/18/2001	Kanao et al.	
		US- 2002/0074920	06/20/2002	Chiu et al.	
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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